



Benchtop Microprocessor-Based Conductivity/Resistivity/TDS Meters

CDB-387



- ✓ Measures 5 Conductivity Ranges, 4 TDS Ranges and 2 Resistivity Ranges (Additional Probes May Be Required)
- ✓ Autoranging for Maximum Resolution
- ✓ Analog and Digital Outputs Standard
- ✓ Standard RS232 Output

The CDB-387 is a microprocessor-based, benchtop conductivity, resistivity and TDS meter. The unit has a large LCD display and membrane keypad for easy operation. The meter features automatic temperature compensation, programmable temperature coefficient, recorder output and bi-directional RS232C output. The CDB-387 measures 5 conductivity ranges, 2 resistivity ranges and 4 TDS ranges. The CDB-387 will automatically select the most suitable range to provide maximum resolution.

The CDB-387 operates off ac power or a 9V battery. The 9V battery serves as a back-up to retain calibration data, even in the event of a power failure, and allows for portable field measurements. The unit is supplied with a glass dip-style conductivity cell with an integral temperature sensor, K = 1.0, calibration solutions and 9V adaptor.

Specifications

Conductivity Ranges:

0 to 20.00 $\mu\text{S}/\text{cm}$; 0 to 200.0 $\mu\text{S}/\text{cm}$;
0 to 2000 $\mu\text{S}/\text{cm}$; 0 to 20.0 mS/cm ;
0 to 200 mS/cm

TDS Ranges:

0 to 20.00 ppm; 0 to 200.0 ppm;
0 to 2000 ppm; 0 to 20 kppm

Resistivity Ranges:

0 to 2.000 $\text{M}\Omega/\text{cm}$, 0 to 20.00 $\text{M}\Omega/\text{cm}$

Accuracy: $\pm 1\%$ of reading

Automatic Temperature Compensation:

0 to 50°C (32 to 122°F)
Reference Temperature: 25°C (77°F)
[selectable 20°C (68°F)]

Temperature Coefficient: User

Temperature Measurement Range:

-30 to 130°C (-22 to 266°F)

Resolution: 0.1°C

Accuracy: $\pm 0.3^\circ\text{C}$

Recorder Output: 0 to 200 mV

Digital Output: Bi-directional RS232C

Power: 115 Vac with 9V adaptor or 9V battery (included)

Display: 12.7 mm (0.5") LCD

Dimensions: 210 L x 150 W x 88 mm H (8.3 x 5.9 x 3.5")

Weight: 600 g (1.3 lb)



Shown smaller than actual size.

Includes CDE-5001-GD glass dip style conductivity probe with integral temperature sensor. Replacement available.

To Order

Model No.	Description
CDB-387	Benchtop conductivity, TDS, resistivity meter, glass dip-style conductivity probe with integral temperature sensor, K = 1.0, calibration solution, 9V adaptor, RS232 output
CDE-5001-GD1	Glass dip-style conductivity probe, K = 1.0 with ATC, platinum plates, 12 x 130 mm (0.5 x 5.1")
CDE-5002-PD1	Polymer dip-style probe, K = 1.0 with ATC, platinum plates, 12 x 135 mm (0.5 x 5.3")
CDE-5004-ED10	Epoxy dip-style probe, K = 10 with ATC, carbon plates, 26 x 353 mm (1.0 x 13.9")
CDE-5014-GD01	Glass dip-style probe, K = 0.1 with ATC, platinum plates, 20 x 130 mm (0.8 x 5.1")
MN1604	Replacement 9V battery

Comes complete with meter, CDE-5001-GD1 glass dip probe, conductivity solution, power adaptor, 9V battery and operator's manual.

Note: Other cell configurations are available. Contact OMEGA'S pH and Conductivity Engineers.

Ordering Example: CDB-387, benchtop conductivity/resistivity and TDS meter and CDE-5004-ED10, epoxy dip probe.

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